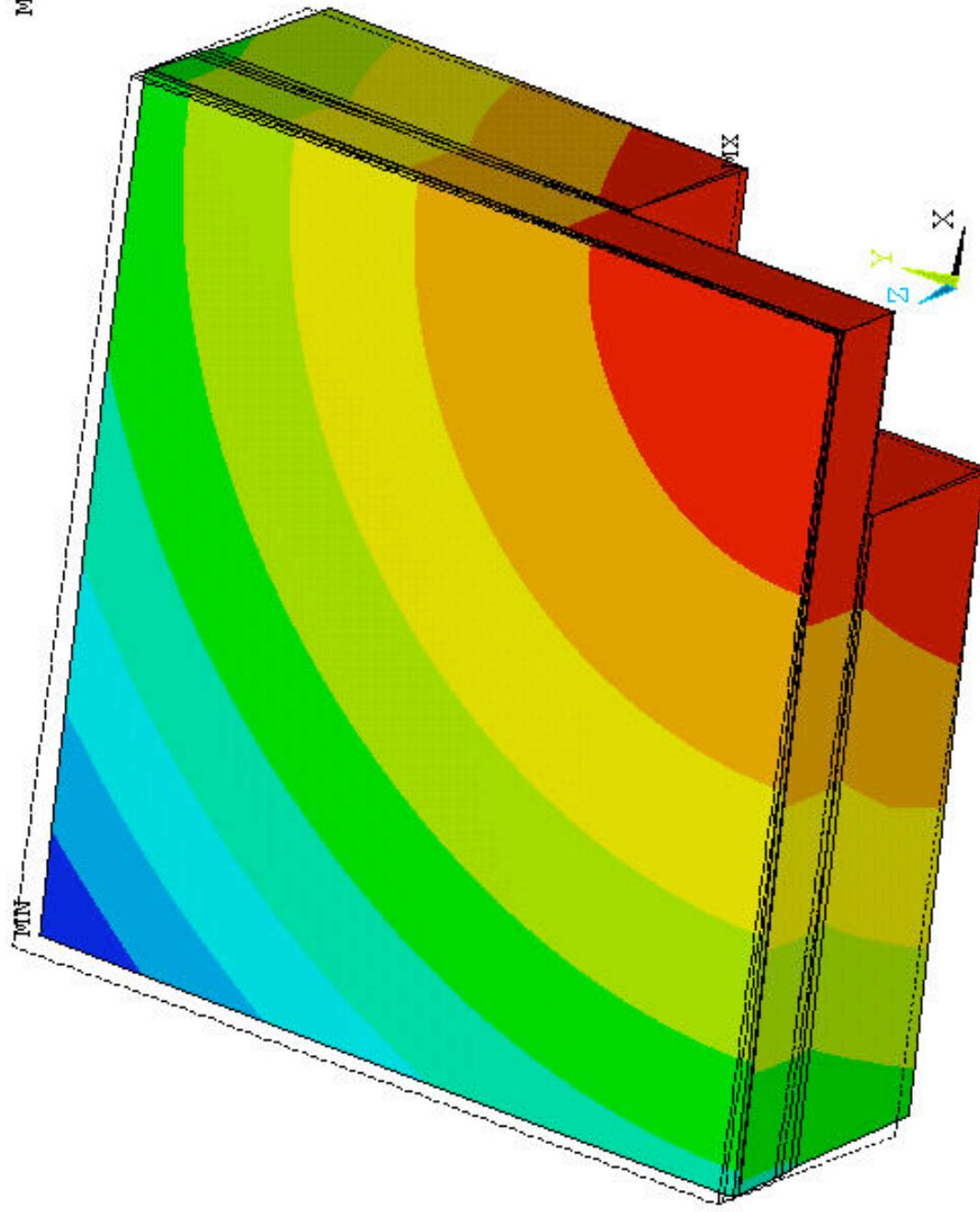


ANSYS

MAY 15 2003
13:51:04

1 NODAL SOLUTION
STEP=1
SUB =1
TIME=1
UZ (AVG)
RSY S=0
DMX = .025436
SMN =-.024719



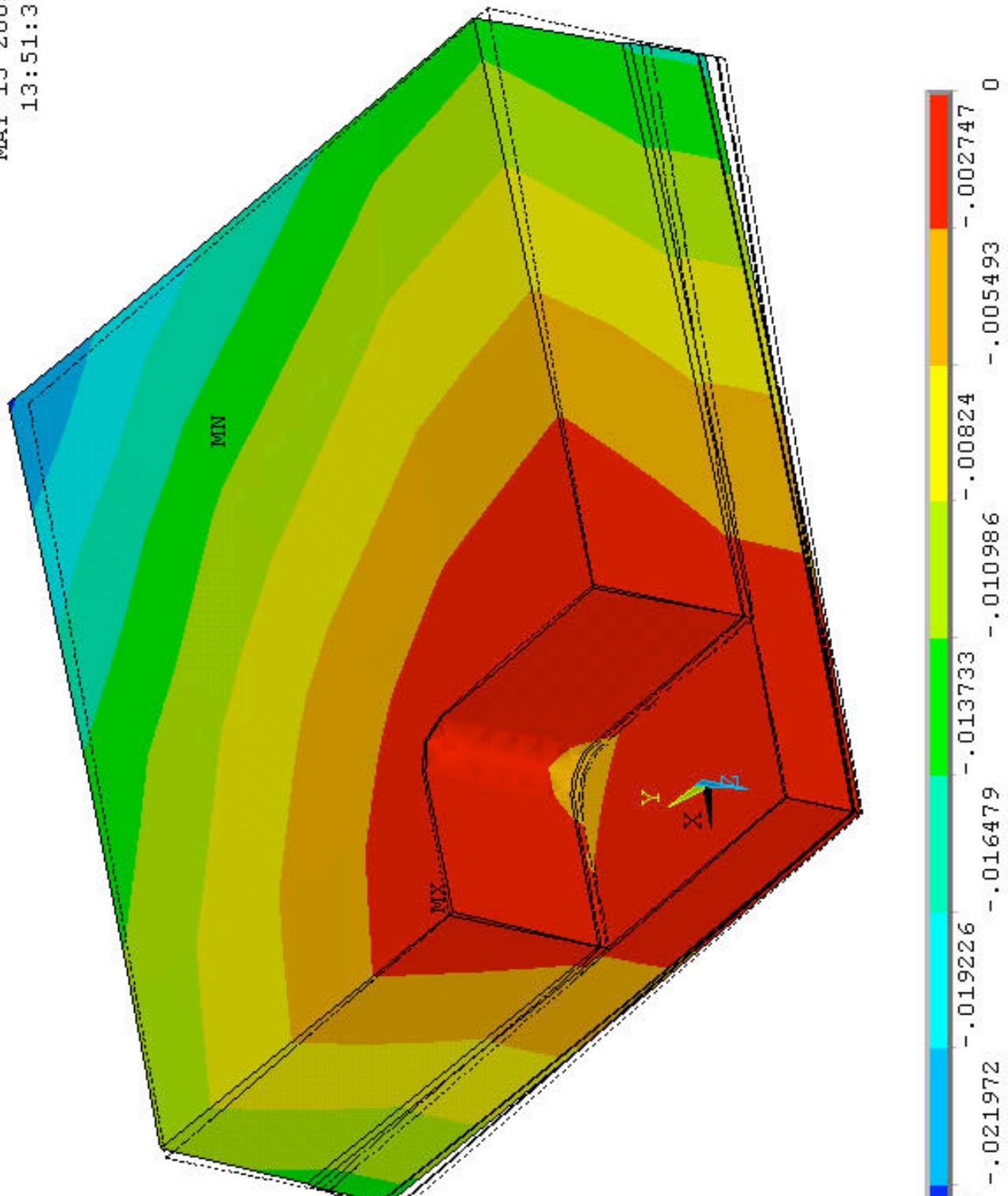
.024719 -.021972 -.019226 -.013733 -.016479 -.010986 -.00824 -.005493 -.002747 0

Fully Supported Si/Invar36 SNAP CCD Analysis, Quarter Symmetry w/Filletts

ANSYS

MAY 15 2003
13:51:39

1 NODAL SOLUTION
STEP=1
SUB =1
TIME=1
UZ (AVG)
RSY S=0
DMX = .025436
SMN =-.024719



-.024719 -.021972 -.019226 -.013733 -.016479 -.010986 -.00824 -.005493 -.002747 0

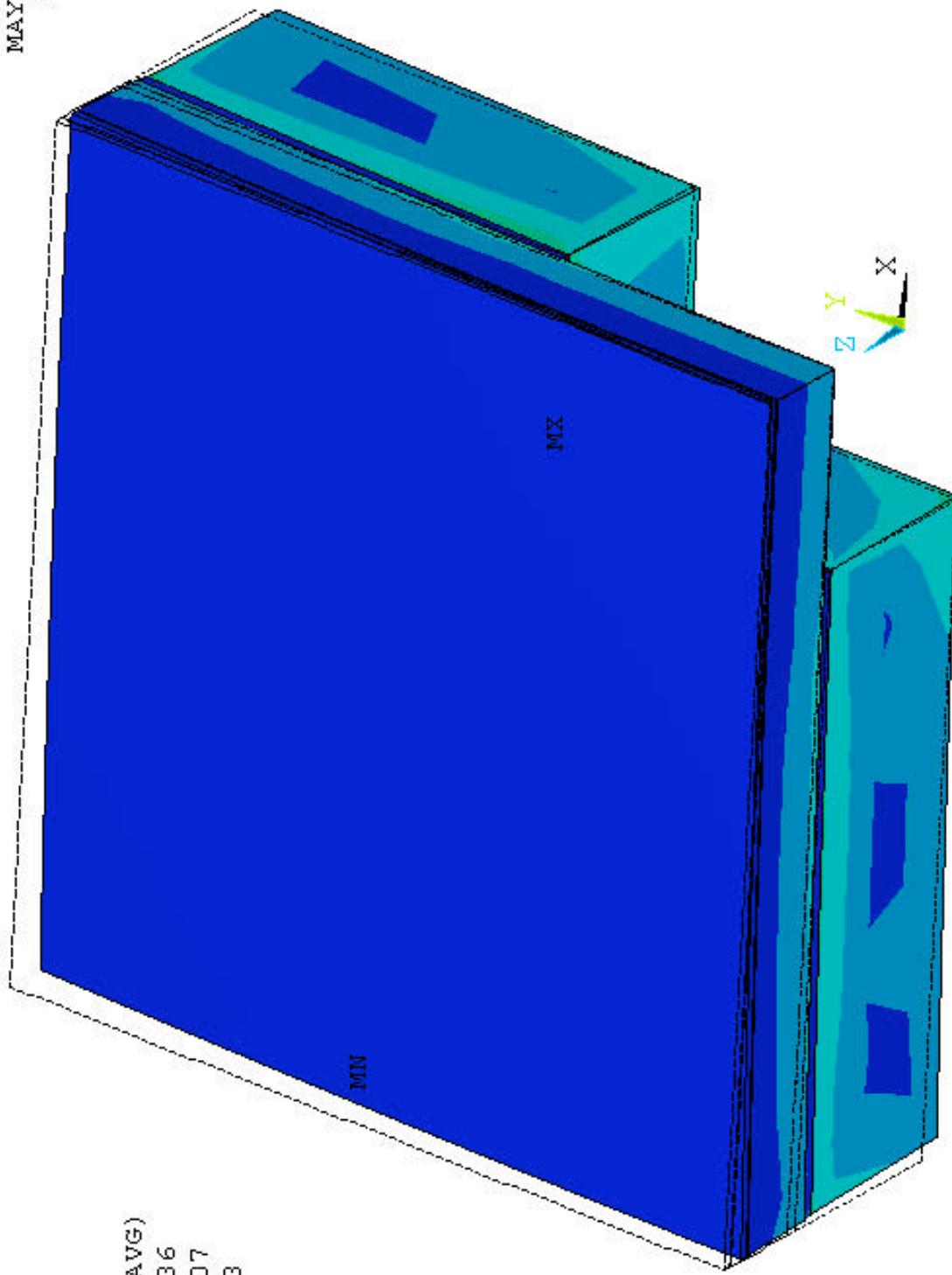
Fully Supported Si/Invar36 SNAP CCD Analysis, Quarter Symmetry w/Fillet

ANSYS

MAY 15 2003
13:52:08

1 NODAL SOLUTION

STEP=1
SUB =1
TIME=1
SEQV (AVG)
DMX = .025436
SMN = .171807
SMX = 77.213



.1171807	8.732	17.292	25.852	34.412	42.972	51.532	60.093	68.653	77.213
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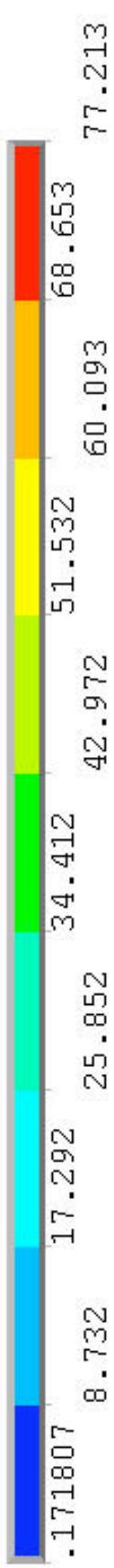
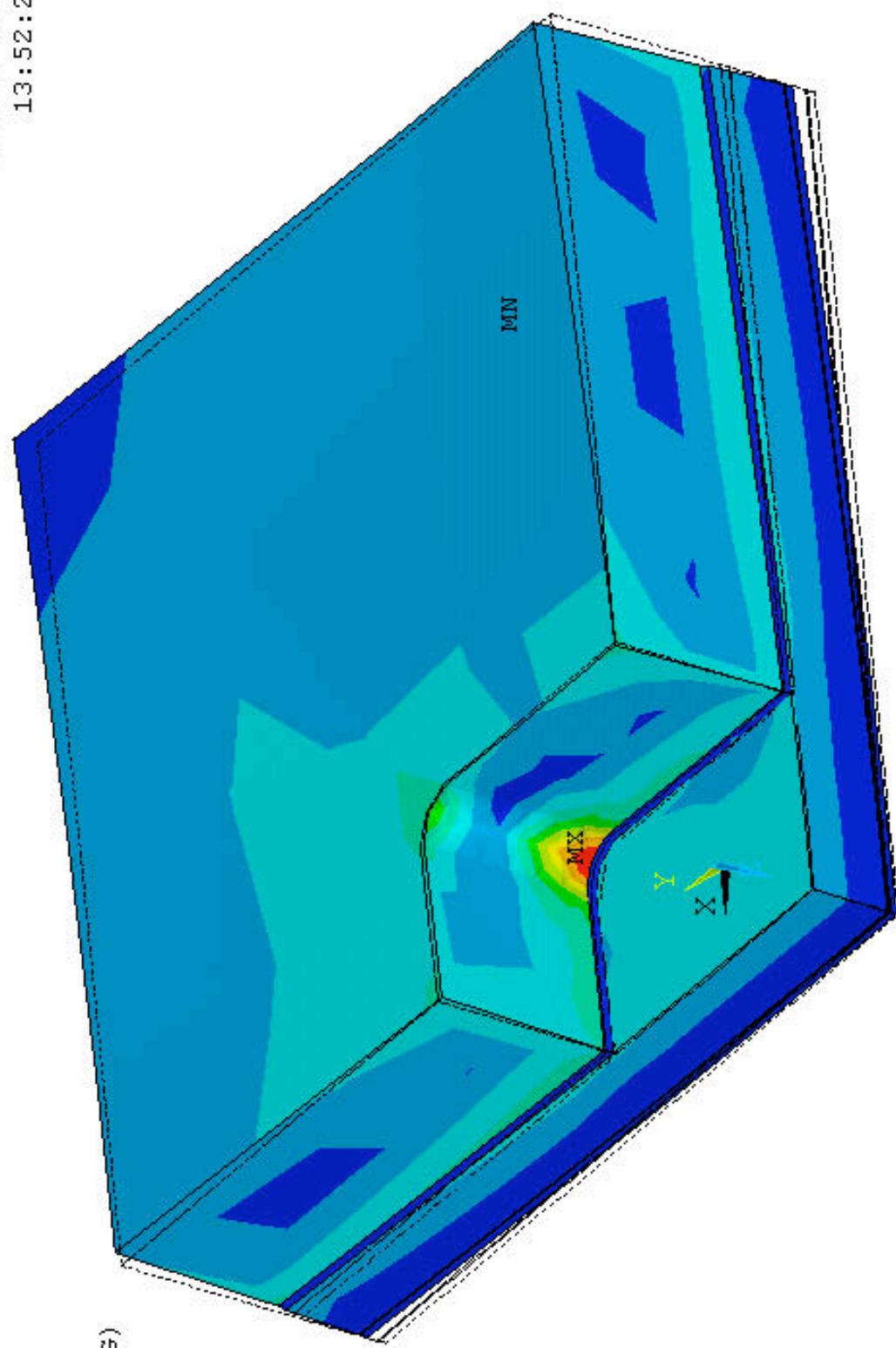
Fully Supported Si/Invar36 SNAP CCD Analysis, Quarter Symmetry w/Filletts

ANSYS

1 NODAL SOLUTION

STEP=1
SUB =1
TIME=1
SEQV (AVG)

DMX = .025436
SMN = .171807
SMX = 77.213

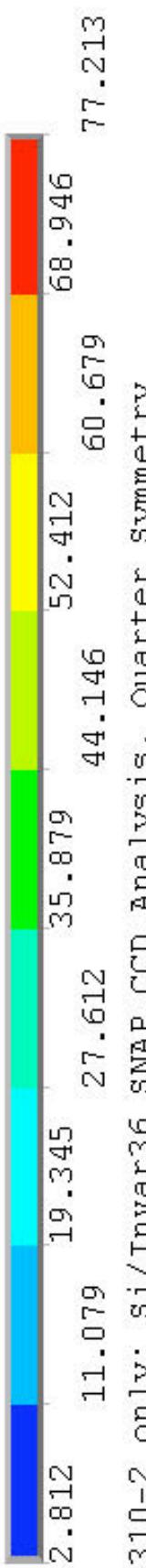
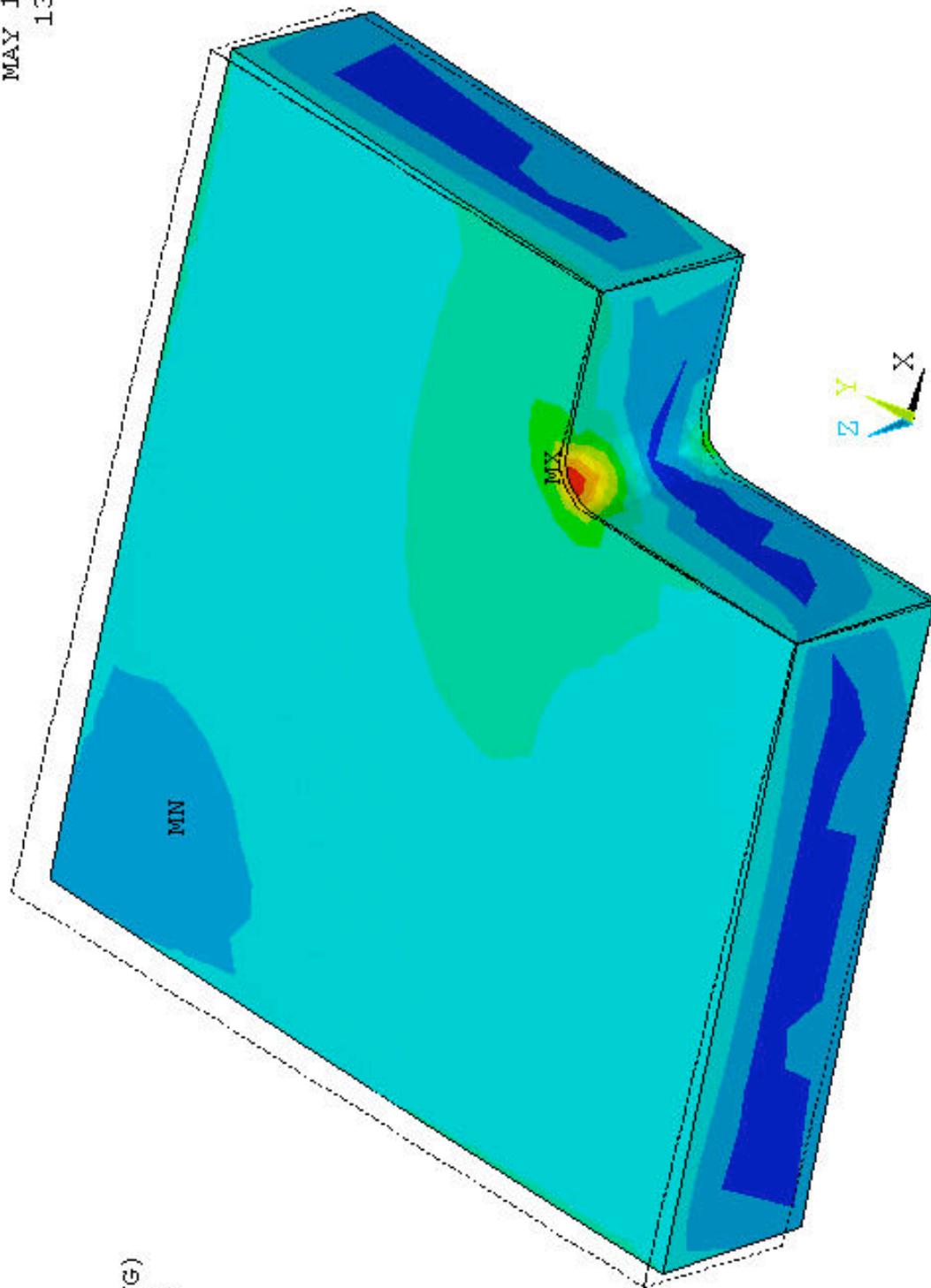


Fully Supported Si/Invar36 SNAP CCD Analysis, Quarter Symmetry w/Filletts

ANSYS

MAY 15 2003
13:59:46

1 NODAL SOLUTION
STEP=1
SUB =1
TIME=1
SEQV (AVG)
DMX = .025436
SMN = 2.812
SMX = 77.213



EPOTEK 310-2 only: Si/Invar36 SNAP CCD Analysis, Quarter Symmetry

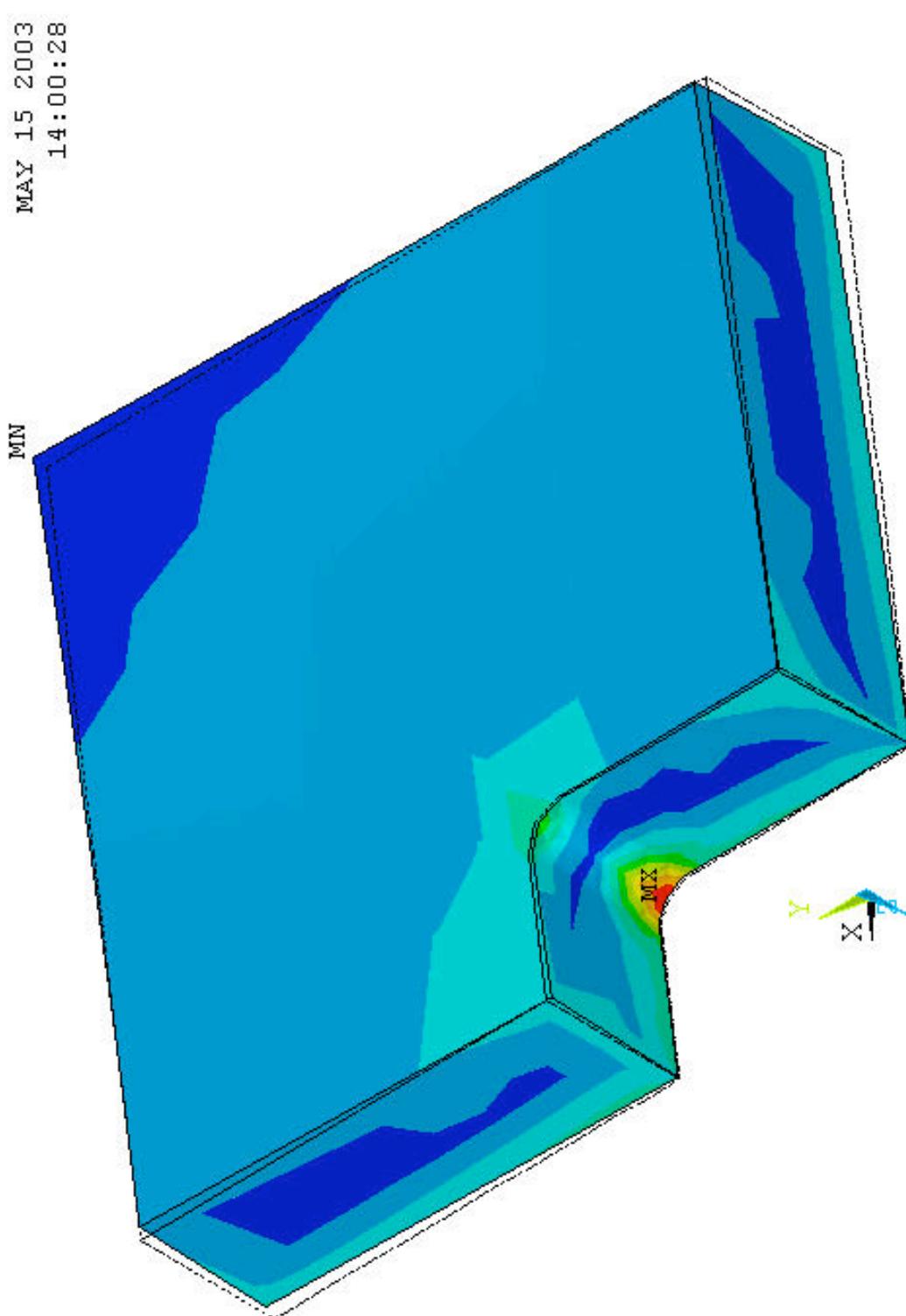
ANSYS

1 NODAL SOLUTION

STEP=1
SUB =1
TIME=1
SEQV (AVG)

DMX = .025436
SMN = 2.812
SMX = 77.213

MN



Invar36 only: Si/Invar36 SNAP CCD Analysis, Quarter Symmetry

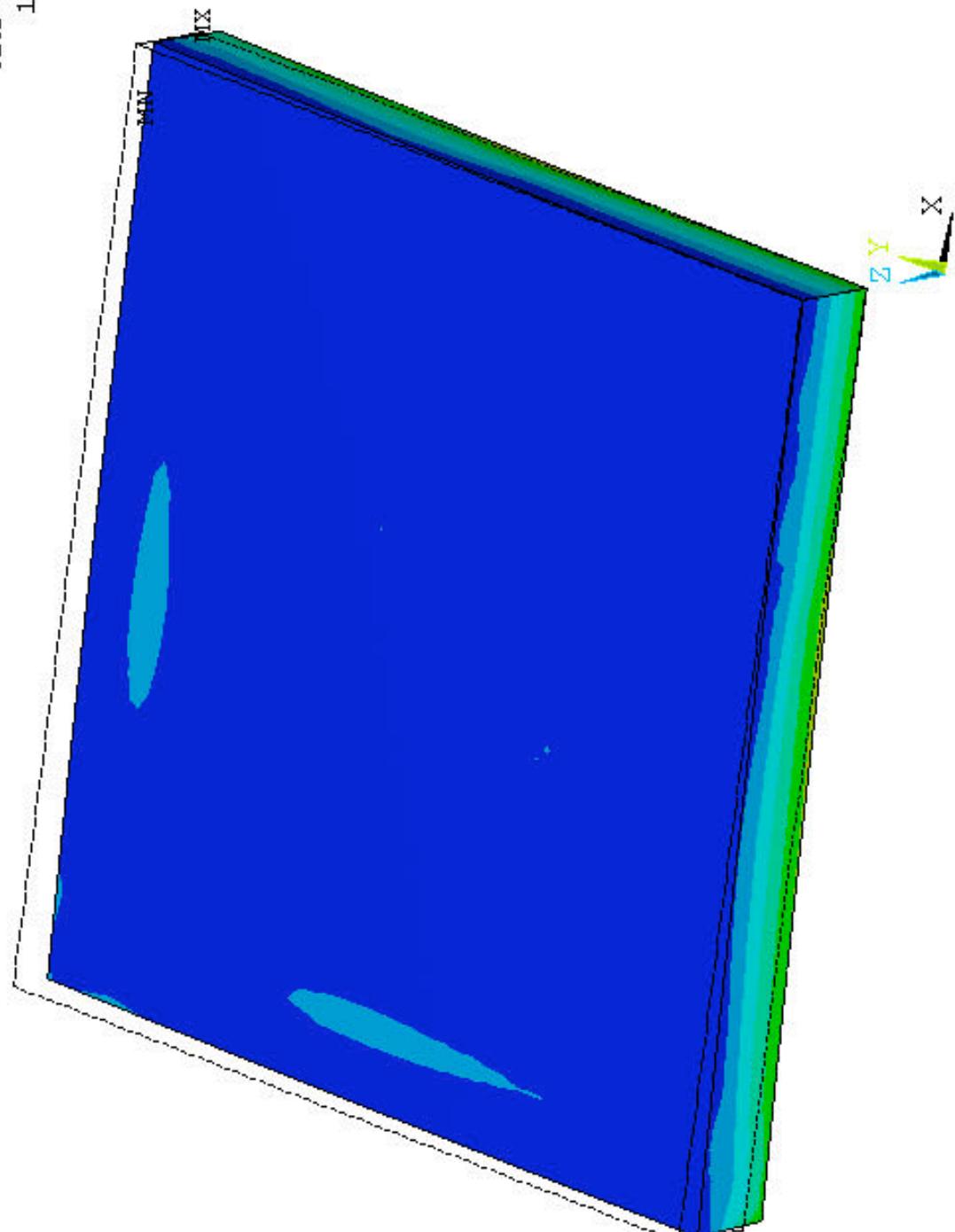
MAY 15 2003

14:00:28

ANSYS

MAY 15 2003
13:54:17

1 NODAL SOLUTION
STEP=1
SUB =1
TIME=1
SEQV (AVG)
DMX = .024801
SMN = .266256
SMX = 32.401



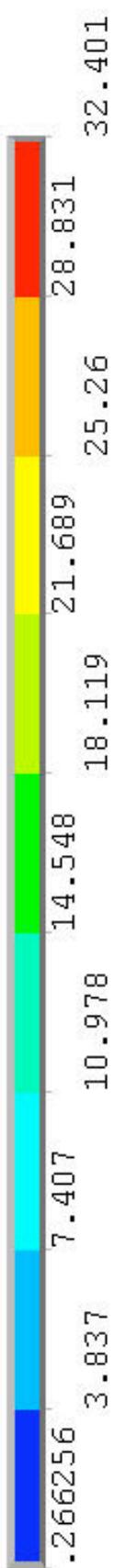
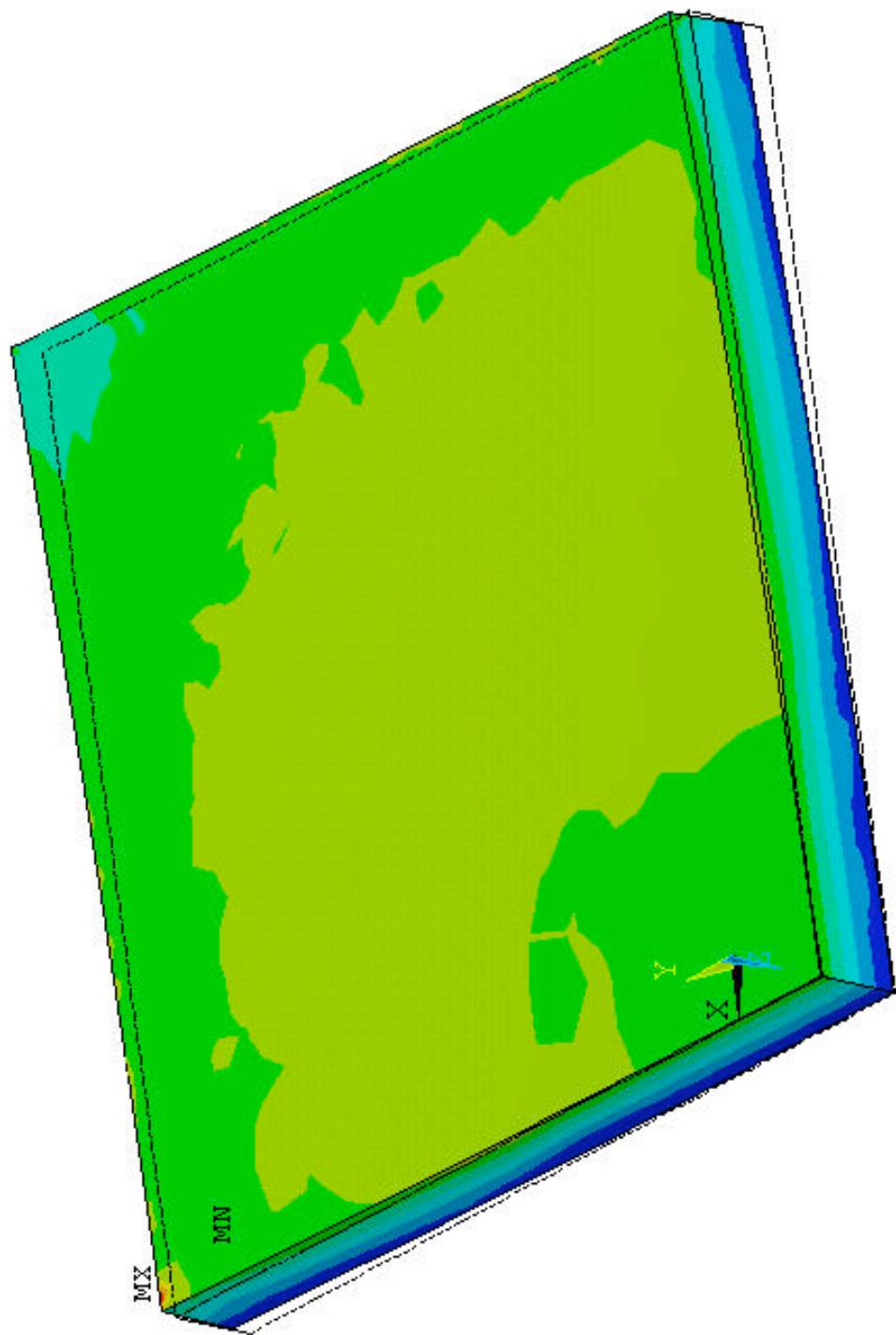
.266256 3.837 7.407 14.548 10.978 18.119 21.689 25.26 28.831 32.401

Si Substrate only: Si/Invar36 SNAP CCD Analysis, Quarter Symmetry

ANSYS

MAY 15 2003
13:54:36

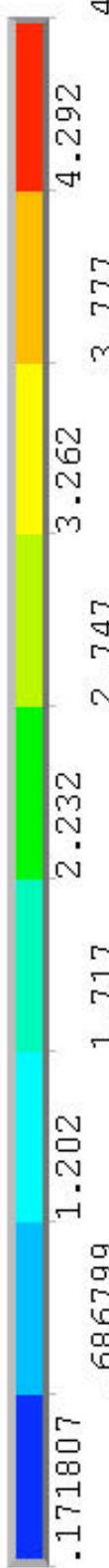
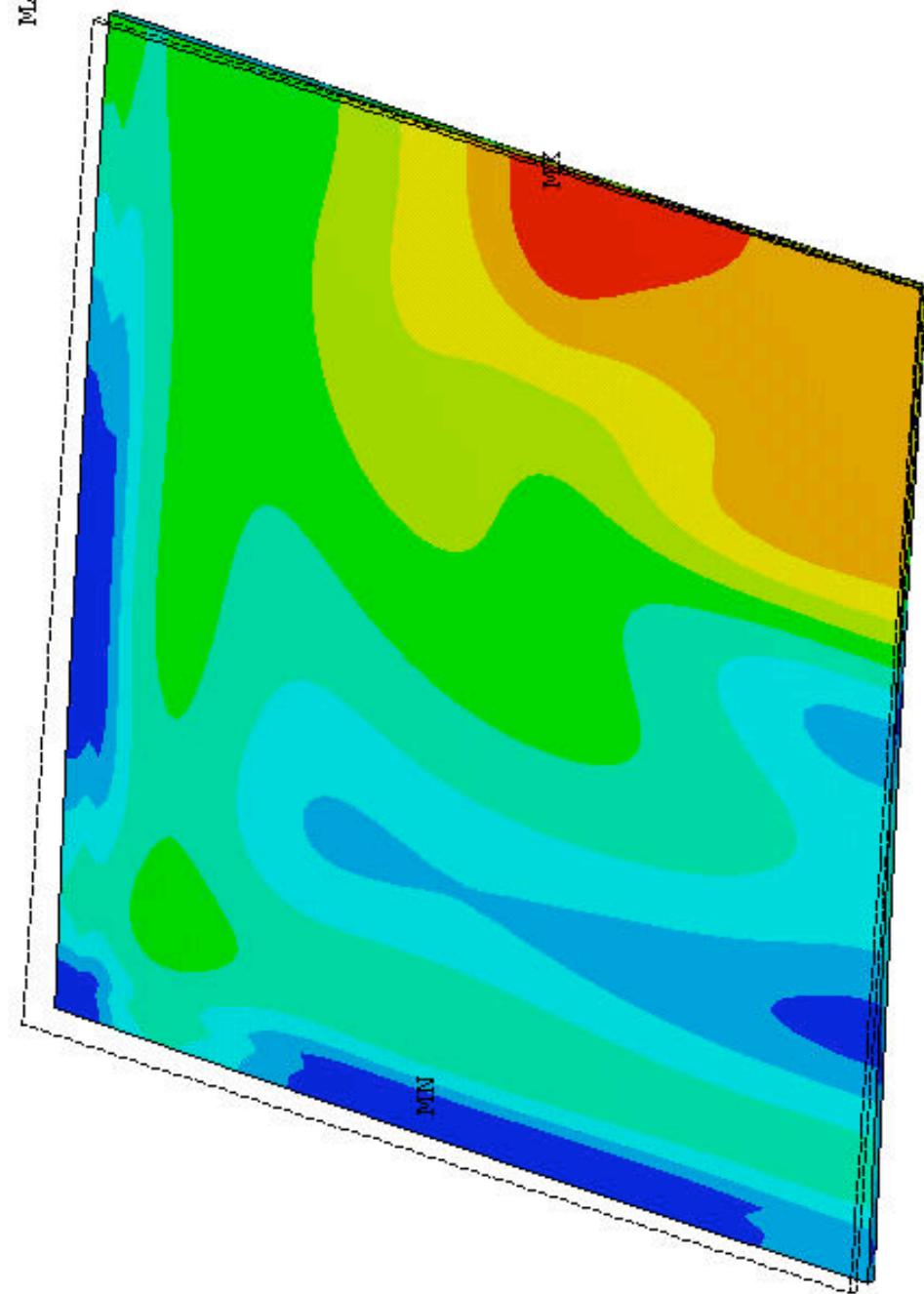
1 NODAL SOLUTION
STEP=1
SUB =1
TIME=1
SEQV (AVG)
DMX = .024801
SMN = .266256
SMX = 32.401



Si Substrate only: Si/Invar36 SNAP CCD Analysis, Quarter Symmetry

ANSYS

MAY 15 2003
13:55:18

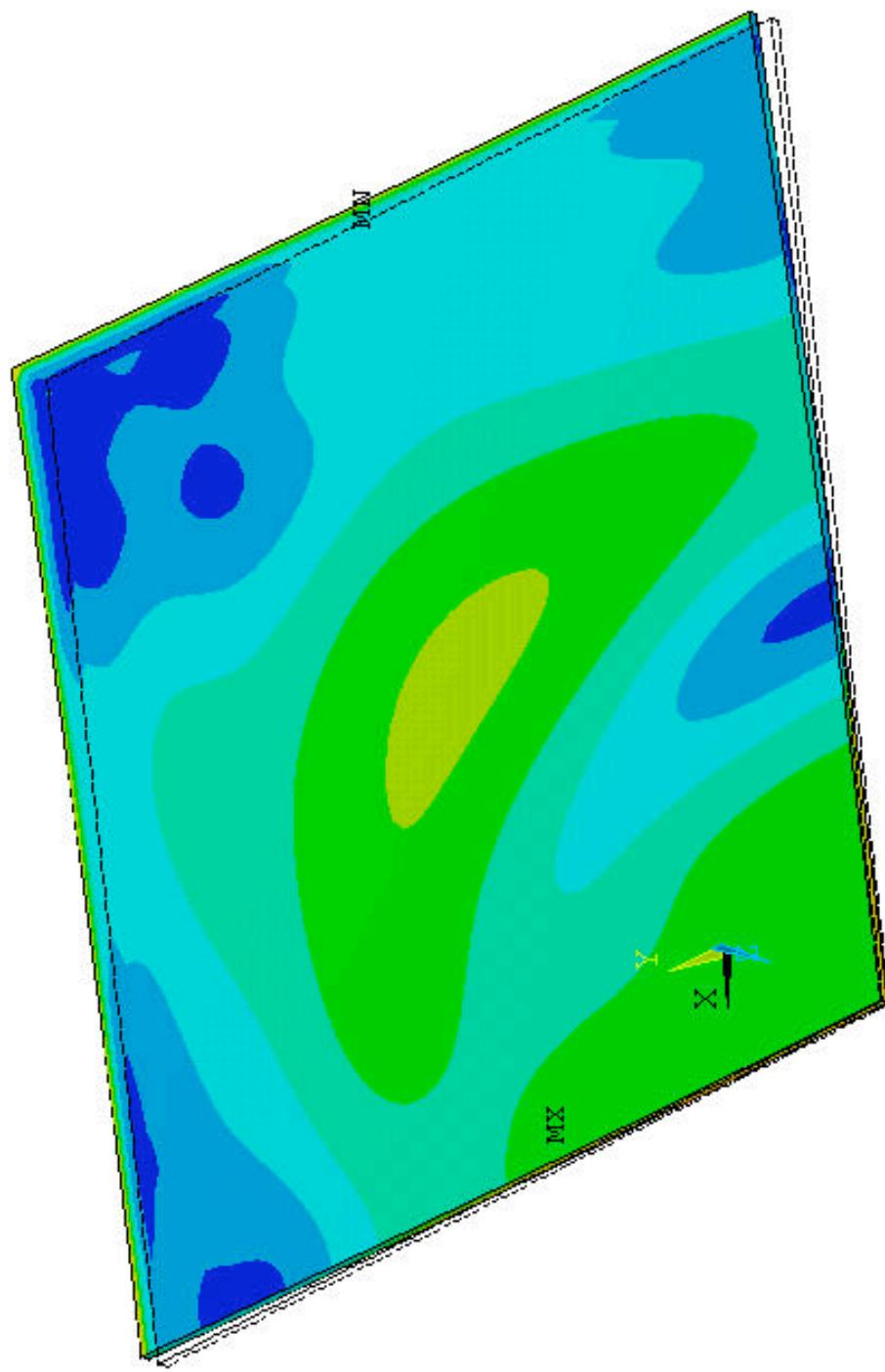


CCD only: si/Invar36 SNAP CCD Analysis, Quarter Symmetry

ANSYS

MAY 15 2003
13:55:44

1 NODAL SOLUTION
STEP=1
SUB =1
TIME=1
SEQV (AVG)
DMX = .024752
SMN = .171807
SMX = 4.807

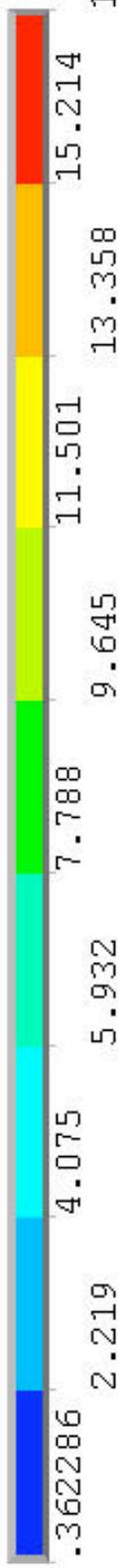
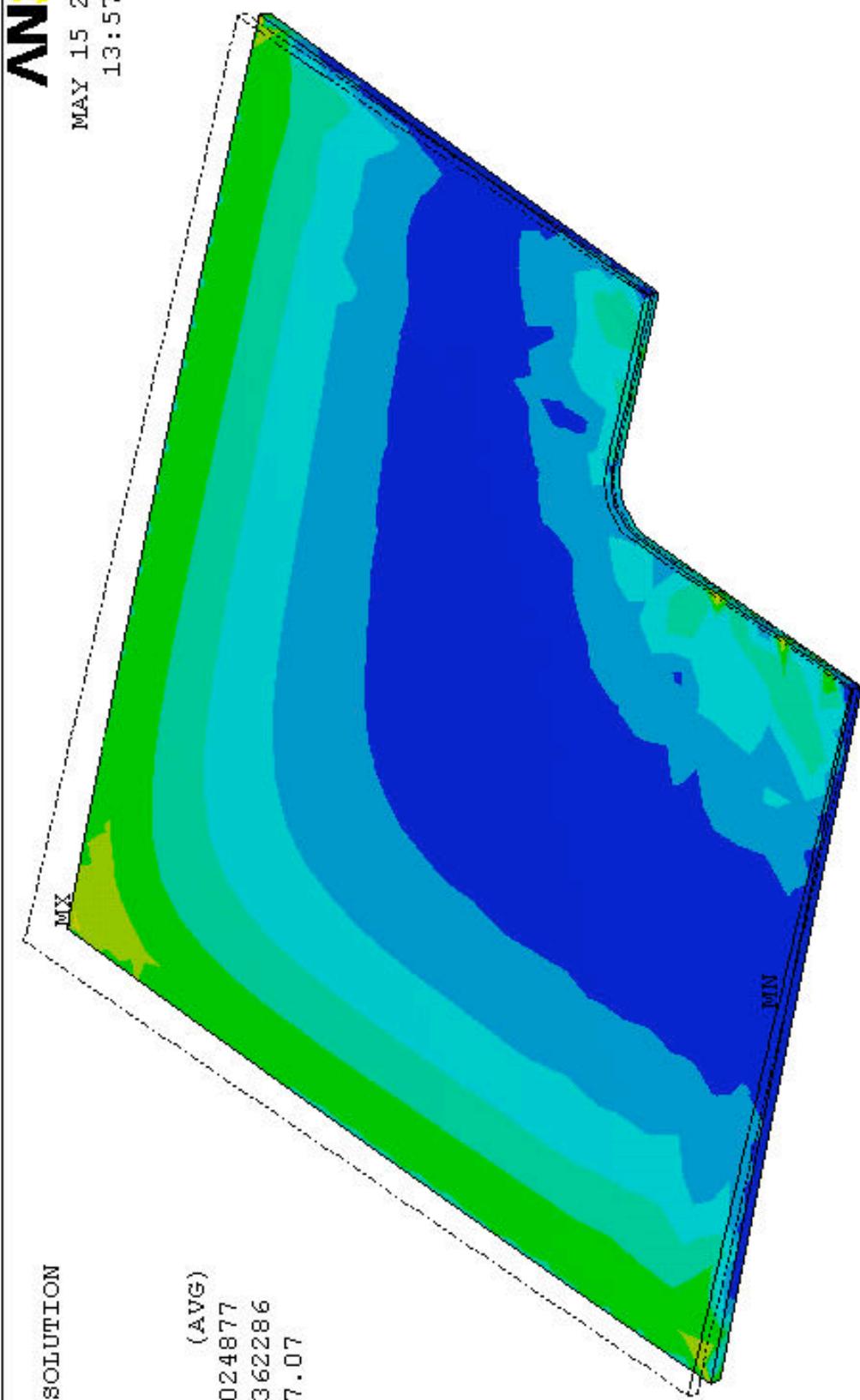


.1171807 .686799 1.202 1.717 2.232 2.747 3.262 3.777 4.292 4.807

CCD only: si/Invar36 SNAP CCD Analysis, Quarter Symmetry

ANSYS

MAY 15 2003
13:57:02



EA9361 only: Si/Invar36 SNAP CCD Analysis, Quarter Symmetry

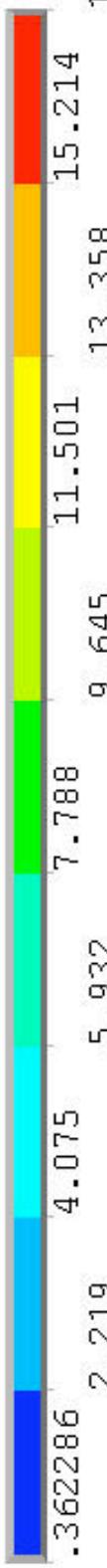
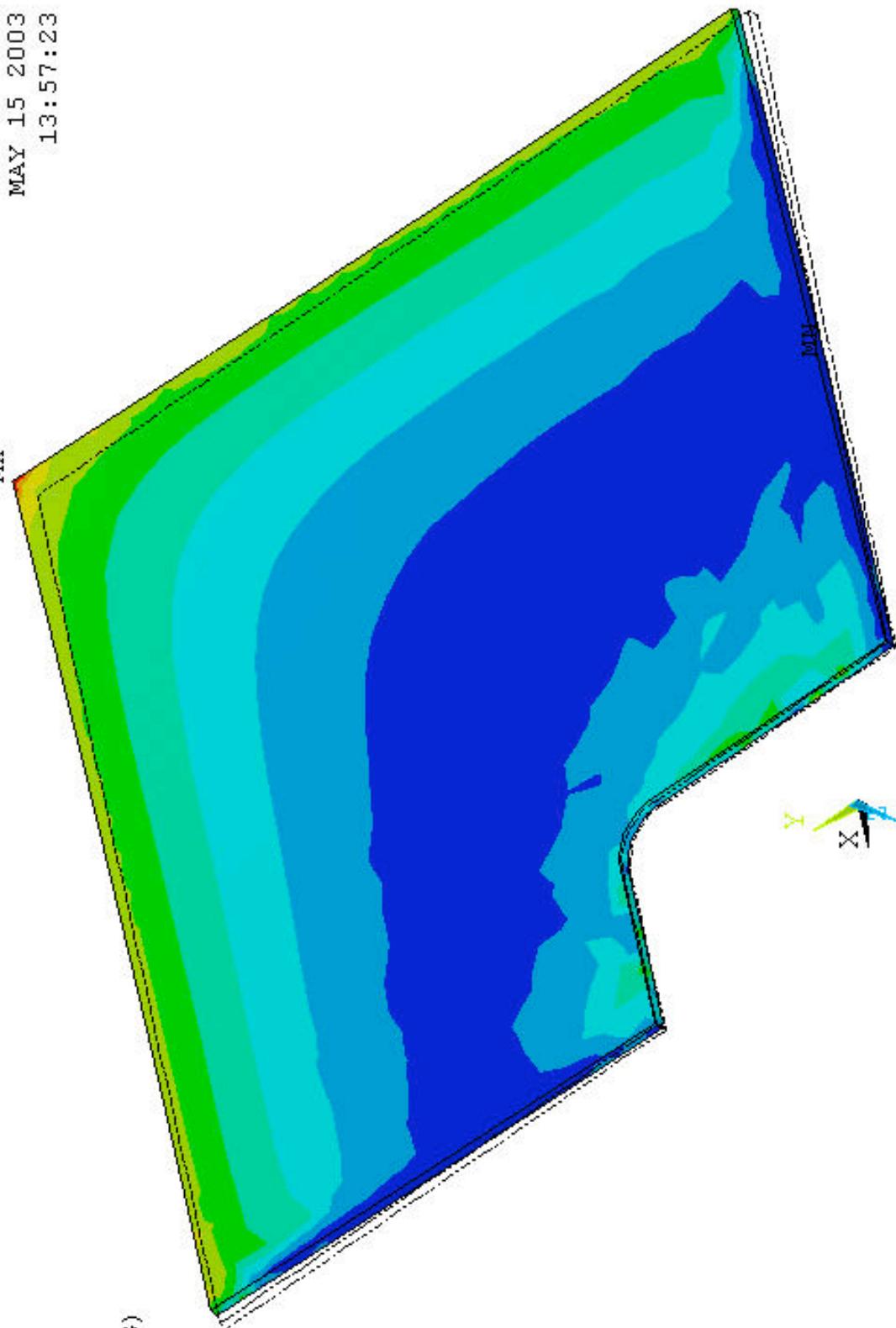
ANSYS

MAY 15 2003
13:57:23

MX

1 NODAL SOLUTION

STEP=1
SUB =1
TIME=1
SEQV (AVG)
DMX = .024877
SMN = .362286
SMX =17.07



EA9361 only: Si/Invar36 SNAP CCD Analysis, Quarter Symmetry

17.07

15.214

13.358

11.501

10.358

9.645

8.932

7.788

7.032

6.286

5.539

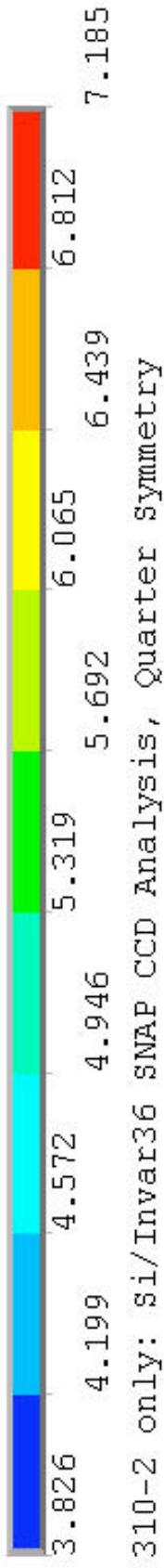
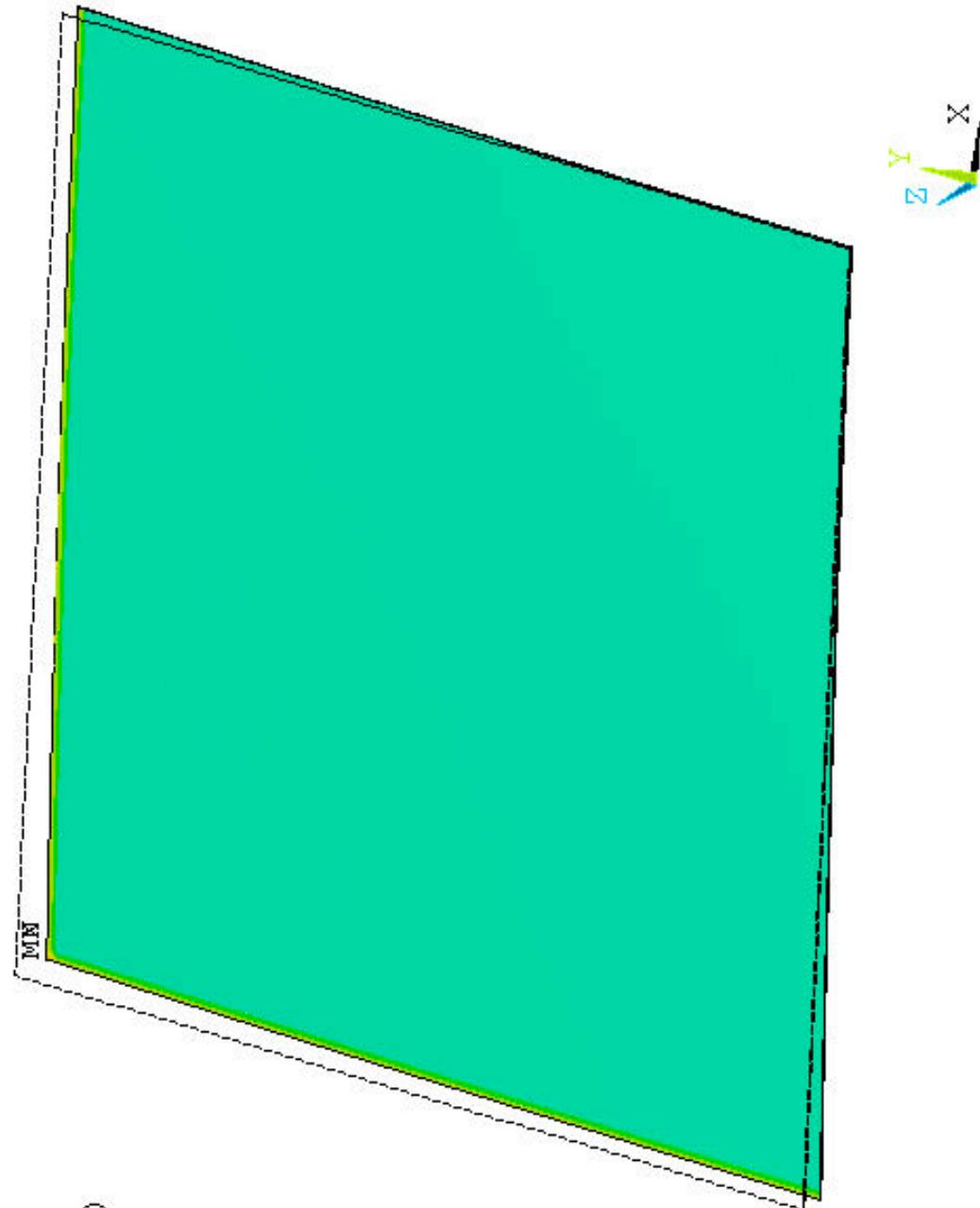
4.792

4.075

ANSYSMAY 15 2003
13:58:09

1 NODAL SOLUTION

STEP=1
SUB =1
TIME=1
SEQV (AVG)
DMX = .024752
SMN = 3.826
SMX = 7.185

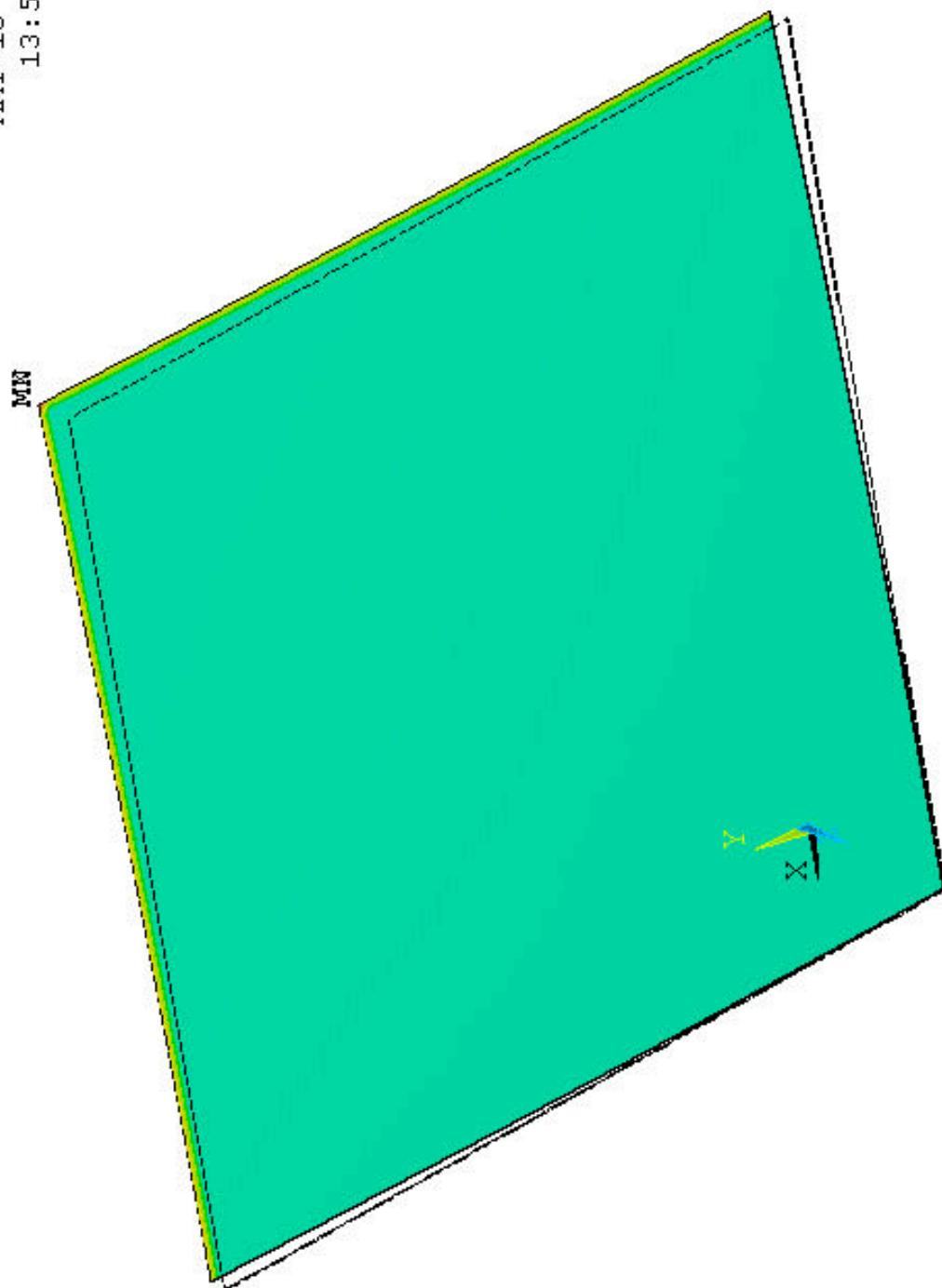


EPOTEK 310-2 only: Si/Invar36 SNAP CCD Analysis, Quarter Symmetry

ANSYS

MAY 15 2003
13:58:25

1 NODAL SOLUTION
STEP=1
SUB =1
TIME=1
SEQV (AVG)
DMX = .024752
SMN = 3.826
SMX = 7.185



3.826 4.199 4.572 4.946 5.319 5.692 6.065 6.439 6.812 7.185
EPOTEK 310-2 only: Si/Invar36 SNAP CCD Analysis, Quarter Symmetry

1 NODAL SOLUTION

STEP=1
SUB =1
TIME=1
SEQV (AVG)
DMX = .024752
SMN = 3.826
SMX = 7.185

